

Thu Jun 6 09:20:12 2002

us-09-744-431-5.ra1

Appendix A

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: June 5, 2002, 07:40:46 ; Search time 20.66 Seconds
(without alignments)
108.768 Million cell updates/sec

Title: US-09-744-431-5
Perfect score: 520
Sequence: 1 APDYQDCPECTLQENPFPSQ.....GFKYENHTACHCSTCYHKS 92

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 segs, 24425594 residues

Total number of hits satisfying choesoff parameters: 231628

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-Processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

- Issued Patents_Aa:*
- 1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*
 - 2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
 - 3: /cgn2_6/ptodata/2/1aa/5A_COMB.pep:*
 - 4: /cgn2_6/ptodata/2/1aa/5B_COMB.pep:*
 - 5: /cgn2_6/ptodata/2/1aa/PCUTS_COMB.pep:*
 - 6: /cgn2_6/ptodata/2/1aa/Dackfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result	Query	Score	Match	Length	DB	ID	Description
1	520	100.0	92	4	US-08-918-288-79		Sequence 79, Appl
2	520	100.0	92	4	US-08-918-288-79		Sequence 79, Appl

ALIGNMENTS

RESULT 2
US-08-918-288-79
Sequence 79, Application US/08918288
Patent No. 6238890
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
TITLE OF INVENTION: GLYCOPROTEIN HORMONE QUARTER
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
City: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/282,357
FILING DATE:
APPLICATION NUMBER: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 79:
SEQUENCE CHARACTERISTICS:
LENGTH: 92 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-918-288-79

Query Match 100.0%; Score 520; DB 4; Length 92;
Best Local Similarity 100.0%; Pred. No. 5e-55;
Matches 92; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 APVDVDCPECTIQENPFPSQPGAPILQCMGCCFSRAYPTPLRSKRTMLYOKNTSESTCC 60
DB 1 APVDVDCPECTIQENPFPSQPGAPILQCMGCCFSRAYPTPLRSKRTMLYOKNTSESTCC 60
QY 61 VAKSYNRYTVMGGEVENHTACHCSTCYTHKS 92
DB 61 VAKSYNRYTVMGGEVENHTACHCSTCYTHKS 92

Thu Jun 20 08:32:37 2002

us-09-744-431-11.ra1

Appendix B

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: June 20, 2002, 08:28:17 ; Search time 13.04 Seconds

(Without alignments)
202.298 Million cell updates/sec

Title: US-09-744-431-11

Perfect score: 615
Sequence: 1 NSCELNTITIAIEKEECRCF.....SDSTCTVRLGLSPSYCSFGE 108

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 231628 seqs, 2442594 residues

Total number of hits satisfying chosen parameters: 231628

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 100 summaries

Database :
1: /cgn2_6/prodata/2/1aa/5a.COMB.pep.*
2: /cgn2_6/prodata/2/1aa/5b.COMB.pep.*
3: /cgn2_6/prodata/2/1aa/6a.COMB.pep.*
4: /cgn2_6/prodata/2/1aa/6b.COMB.pep.*
5: /cgn2_6/prodata/2/1aa/PCTUS.COMB.pep.*
6: /cgn2_6/prodata/2/1aa/backfilest1.pep.*

Pre: 3. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	615	100.0	223	4	US-08-918-288-27
					Sequence 27, Appl

ALIGNMENTS

```
RESULT 1
US-08-918-288-27
; Sequence 27, Application US/08918288
; Patent No. 6238890
;
GENERAL INFORMATION:
APPLICANT: BOIME, Irving
APPLICANT: MOYLE, William R.
TITLE OF INVENTION: SINGLE-CHAIN FORMS OF THE
NUMBER OF SEQUENCES: 83
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Avenue, NW, suite 5500
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/918,288
FILING DATE:
PCT DATE:
PCT APPLICATION:
PCT APPLICATION DATA:
APP. NO. DATE: 09/282,357
PCT NO. DATE: 08/853,524
FILING DATE: 09-MAY-1997
APPLICATION NUMBER: 08/199,382
FILING DATE: 18-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Murashige, Kate H
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20050.25
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-887-1500
TELEFAX: 202-887-0763
TELEX:
INFORMATION FOR SEQ ID NO: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-918-288-27
```

Query Match 100.0%; Score 615; DB 4; Length 223;
Best Local Similarity 100.0%; Pred. No. 4.5e-59;
Matches 108; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	NSCELNTITIAIEKEECRCISINTWAGYCTRDLYRKDPAPRIOKCTFKELEYET	60
DB	19	NSCELNTITIAIEKEECRCISINTWAGYCTRDLYRKDPAPRIOKCTFKELEYET	78
QY	61	VRRPGCAHHADSLYTYPVATQCHGCKGSDSDCTVRLGLSPSYCSFGE	108
DB	79	VRRPGCAHHADSLYTYPVATQCHGCKGSDSDCTVRLGLSPSYCSFGE	126